



Project No: AFC002001030202

Project: Supplemental RI

Client: AFCEE

Location: Site 24 - Vandenberg AFB

Northing(ft): 2100845.8

Borehole ID: HGL80 (24MW23B)

Date: 10/29/2003

Geologist: D. Fortier

Checked By:

Ground Surface Elevation(ft msl): 455.40

Easting(ft): 5801681.8

SUBSURFACE PROFILE					SAMPLE			Water Level	Remarks
Depth	Symbol	Description	USCS	Elevation	Recovery %	Blow Counts	PID (ppm)		
2		Gravel, sand and silt	FL	453					
4		Poorly graded sand Moderately yellowish brown, moist, slightly dense, medium grained	SP						
6					100	8/9/9	11.2		
8									
10					100	8/12/16	8.4		
12		at 12.5' dark yellowish orange							
14		at 15' mottled pale yellowish brown with dark yellowish orange iron staining, 85% fine grained sand / 15% silt							
16					100	27/39/50	3.5		
18		at 18' dark yellowish orange, medium grained sand with trace silt							
20		at 19.5' light olive gray			100	41/50 for 4"	3.3		
22		at 22' pale yellowish orange, sand with thin clayey sand interbeds		431					
24		Silty sand Pale yellowish brown, moist, slightly dense, 80% fine grained sand / 20% silt	SM	428	100	30/37/50	3.3		
26									
28		Poorly graded sand Pale yellowish brown, moist, slightly dense, fine grained	SP						
30		at 32' medium grained sand			100	50/50 for 3"	2.9		
32									
34									
36					100	30/50 for 3"	3.0		
38									
40					100	26/50/50 for 3"	3.6		

No water in shallow zone.

Drilled By: Layne Christensen

Drill Method: Dual Tube Percussion

Drilling Equipment: AP-1000

Sampling Equipment: 2" x 18" CA Mod Split Spoon

HydroGeoLogic, Inc.
4600 Northgate Blvd., Suite 207
Sacramento, CA 95834
(916) 614-8770 FAX (916) 614-8775


Boring Diameter: 10"

Total Depth Drilled: 83'



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Depth	Symbol	Description	USCS	Elevation	Recovery %	Blow Counts	PID (ppm)	
42			SP	413	100			 Flowing, heaving sand below 71.5'.
44		Silty sand Pale yellowish brown, moist, very dense, 50% sand / 40% silt / 10% clay	SM	412				
46		Poorly graded sand Pale yellowish brown, very moist to saturated, slightly dense, fine to medium grained	SP		100	27/48/50	4.8	
48								
50		at 50' saturated			100	16/48/50	4.9	
52								
54		at 55' mottled pale yellowish brown with moderate yellowish brown iron staining, very moist to saturated						
56					100	33/50 for 4"	5.7	
58								
60					100	20/49/50 for 3"	5.6	
62								
64								
66					100	15/33/50	6.1	
68				387				
70		Gravelly sand Pale yellowish brown, saturated, slightly dense, medium sand with 20% fine gravel	SW	386				
72		Poorly graded sand Pale yellowish brown, very saturated, slightly dense, medium grained	SP		90	9/16/10	4.6	
74								
76								
78								
80								

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SUBSURFACE PROFILE					SAMPLE			Water Level	Remarks
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82		Clay Medium dark gray, slightly moist, very stiff, low plasticity	SP	374					Set temporary well (screen 71' - 81'). Collect groundwater sample (HGL80-GW81).
			CL	373					
84		Poorly graded sand Medium gray, saturated, slightly dense, medium grained	SP	372	100	4/16/26	4.3		
86									Drilled to 82'. Sampled to 83.5'. Deepened boring to 83' and installed monitoring well within boring.
88									
90									
92									
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116									
118									
120									

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